

Figure 1

TOPICAL INDUCERS OF LANGERHANS CELL MIGRATION

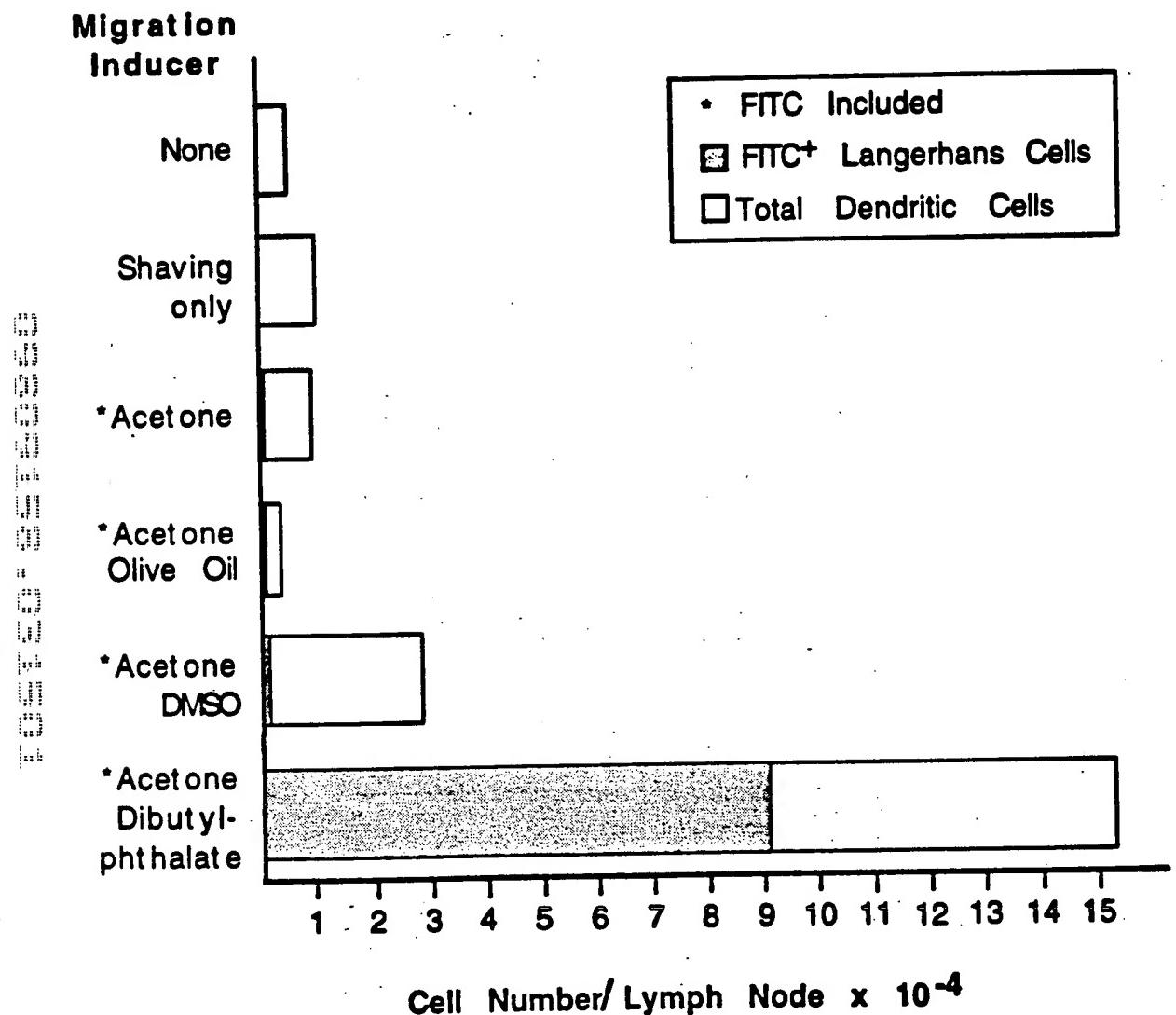


Figure 2

DENDRITIC CELLS In LYMPH NODE after SKIN PAINTING

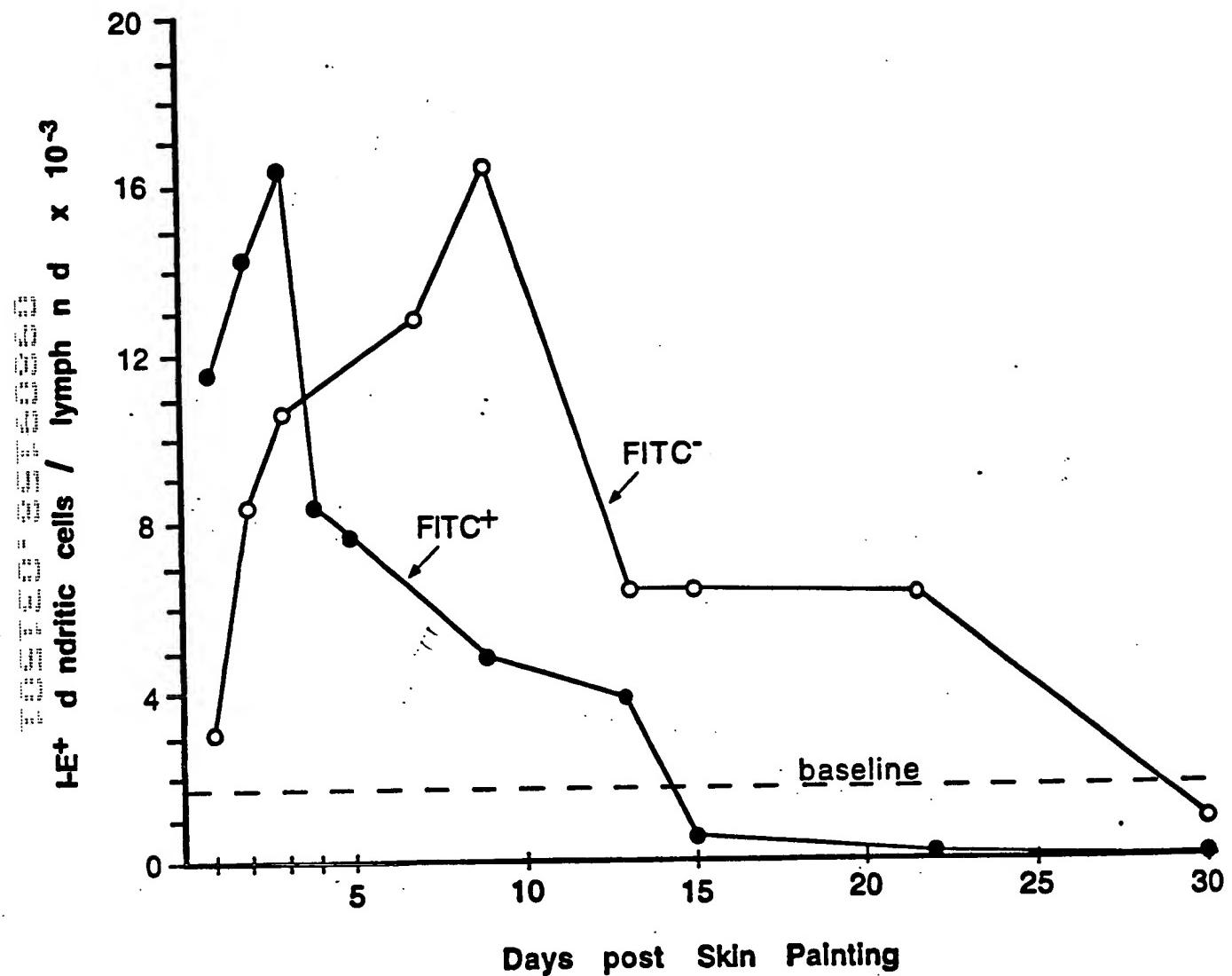
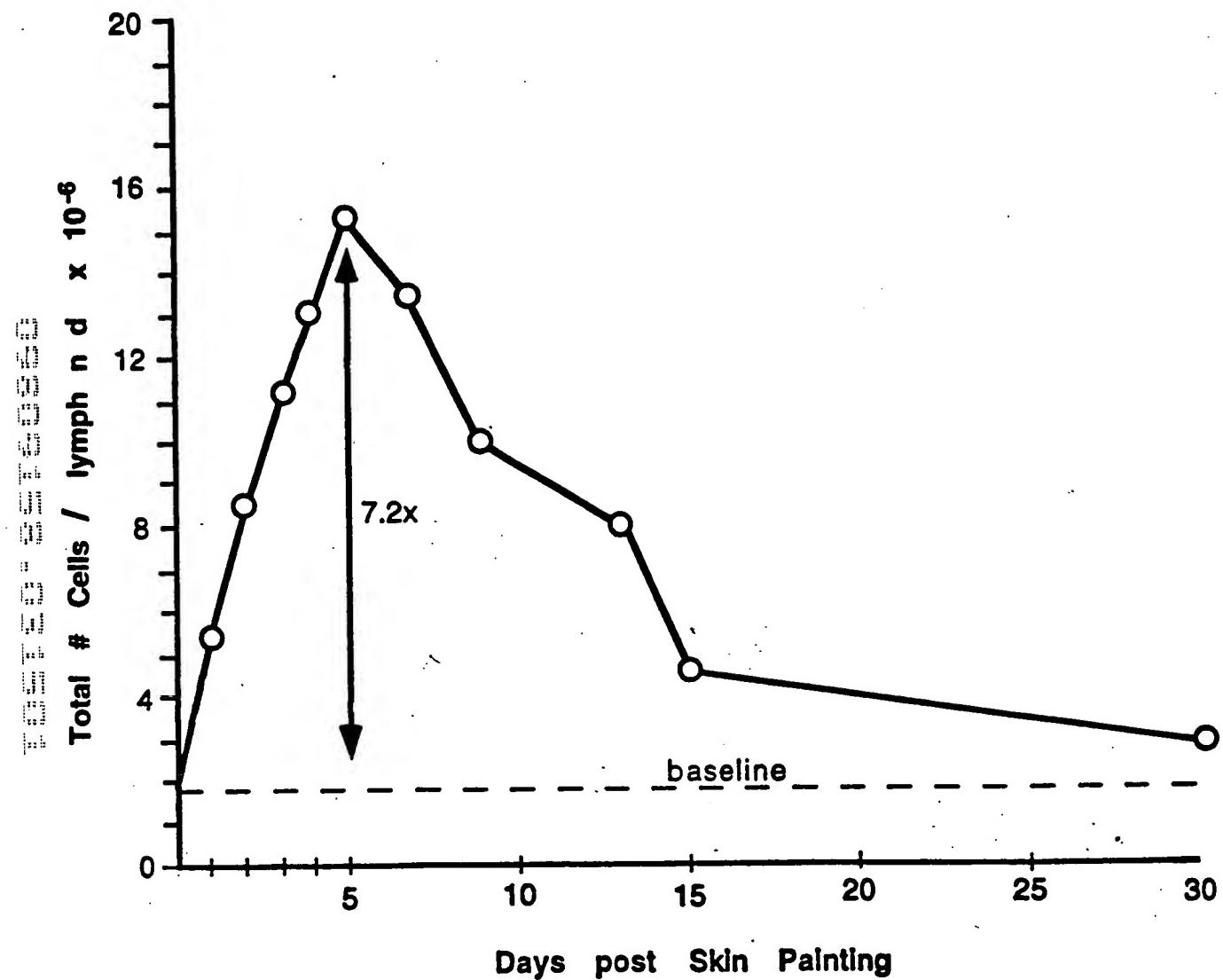


Figure 3

LYMPH NODE CELLULARITY after SKIN PAINTING



3 5 3 5 3 5 3 5 3 5 3 5 3

Figure 4

TUMOR GROWTH after SKIN PAINTING with PEPTIDE in Dilute DMSO

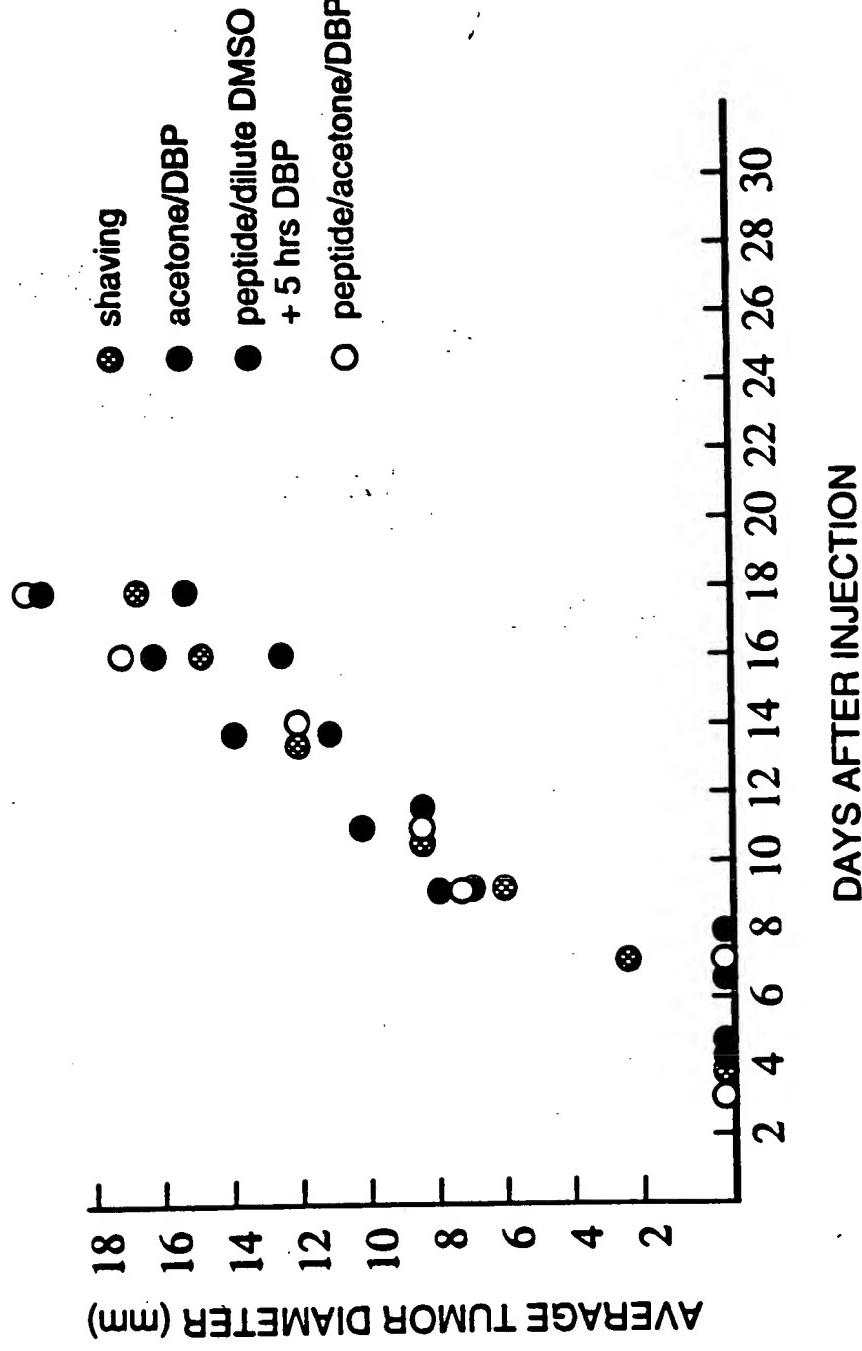


Figure 5

**Intravaginal Application of Peptide
and DBP Induces Protective Tumor Immunity**

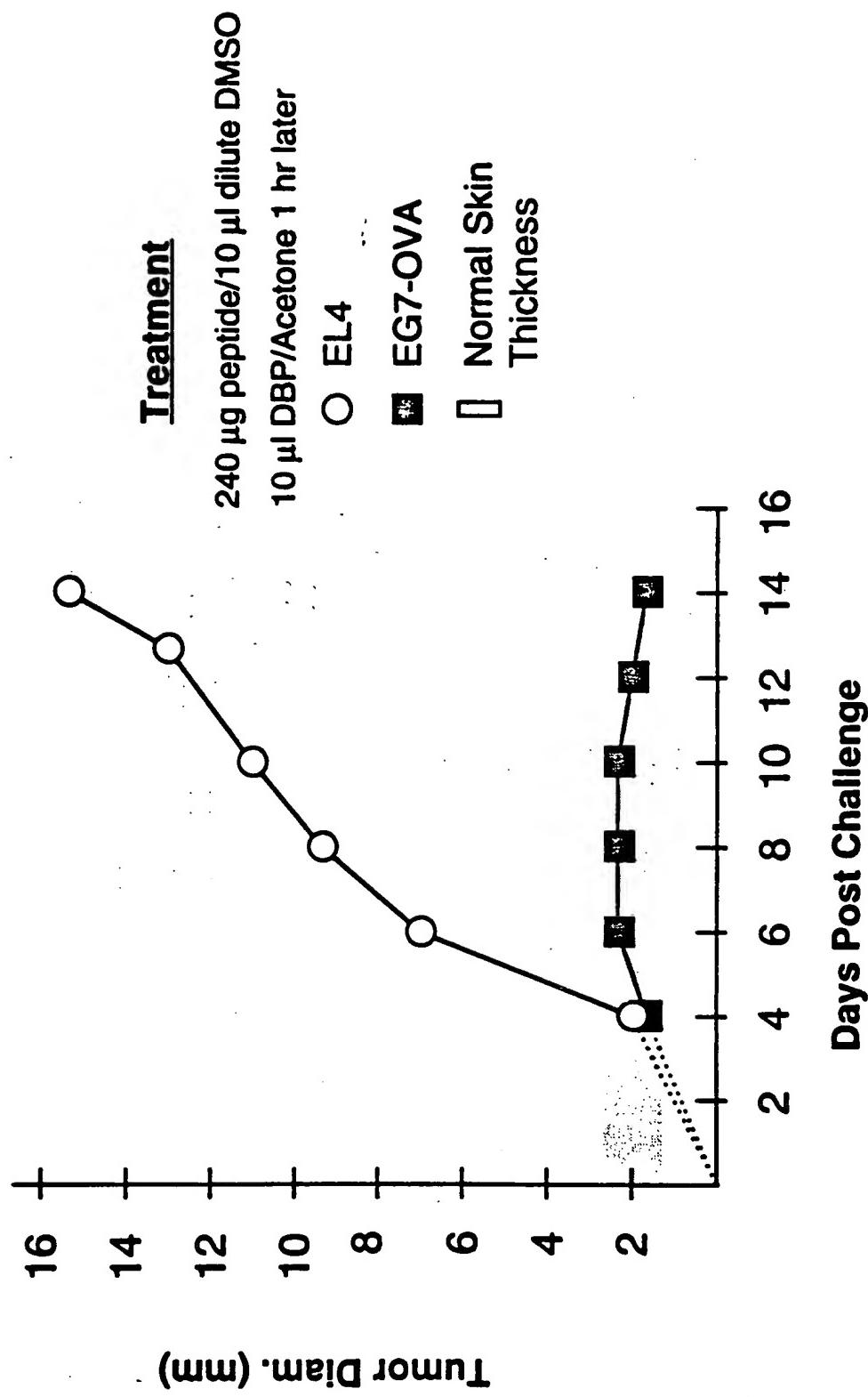
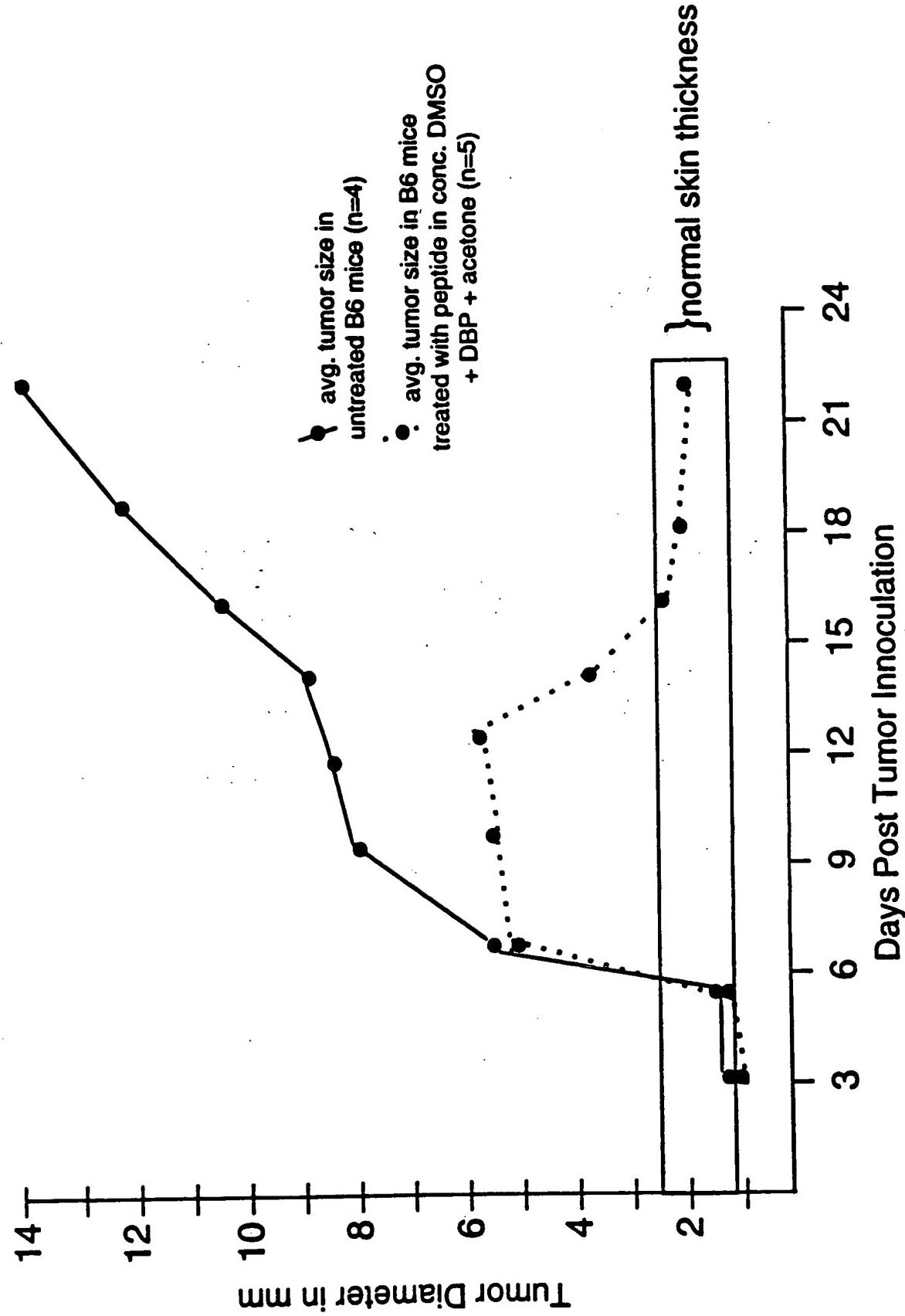
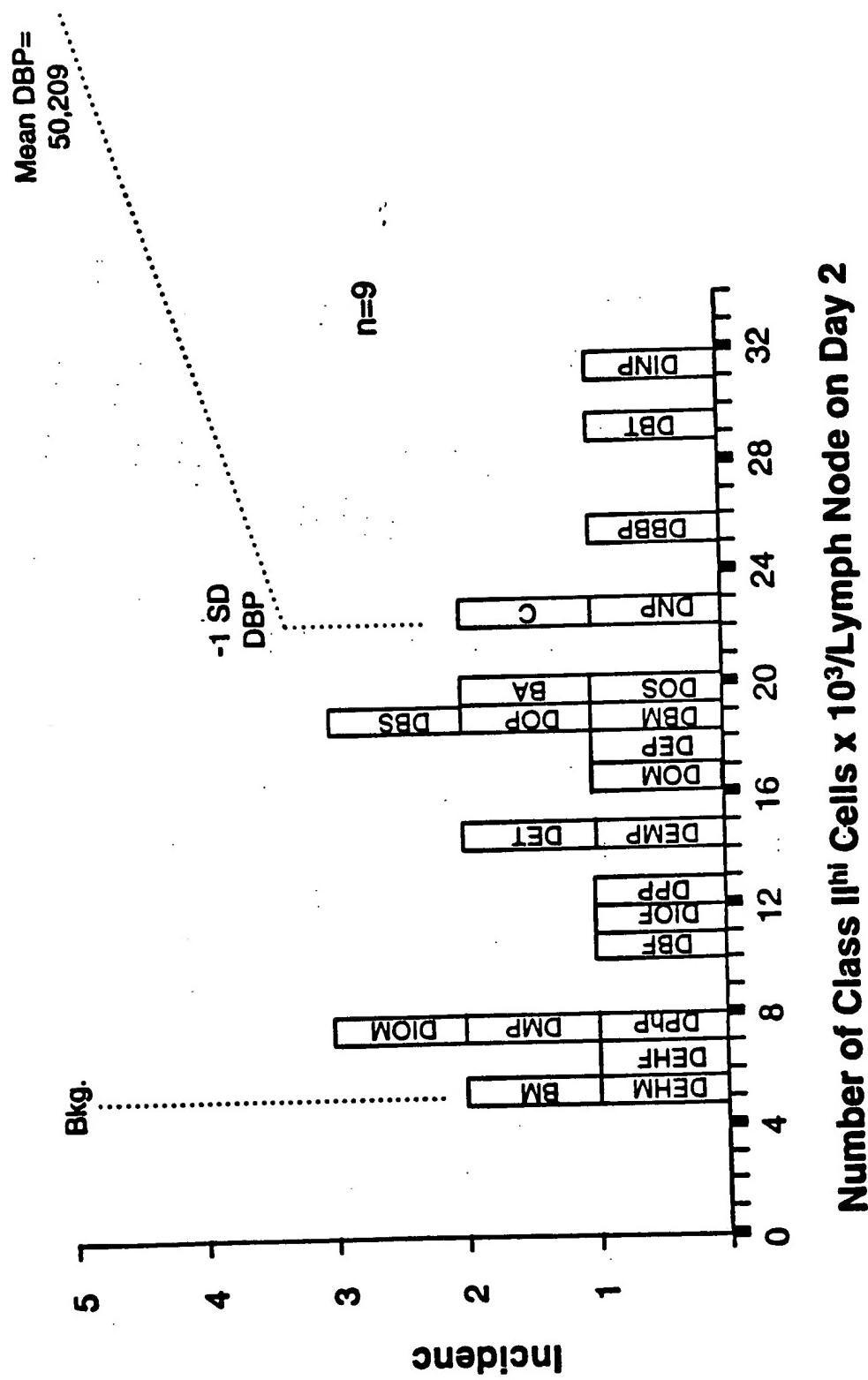


Figure 6 • Effect of tumor peptide application on tumor growth

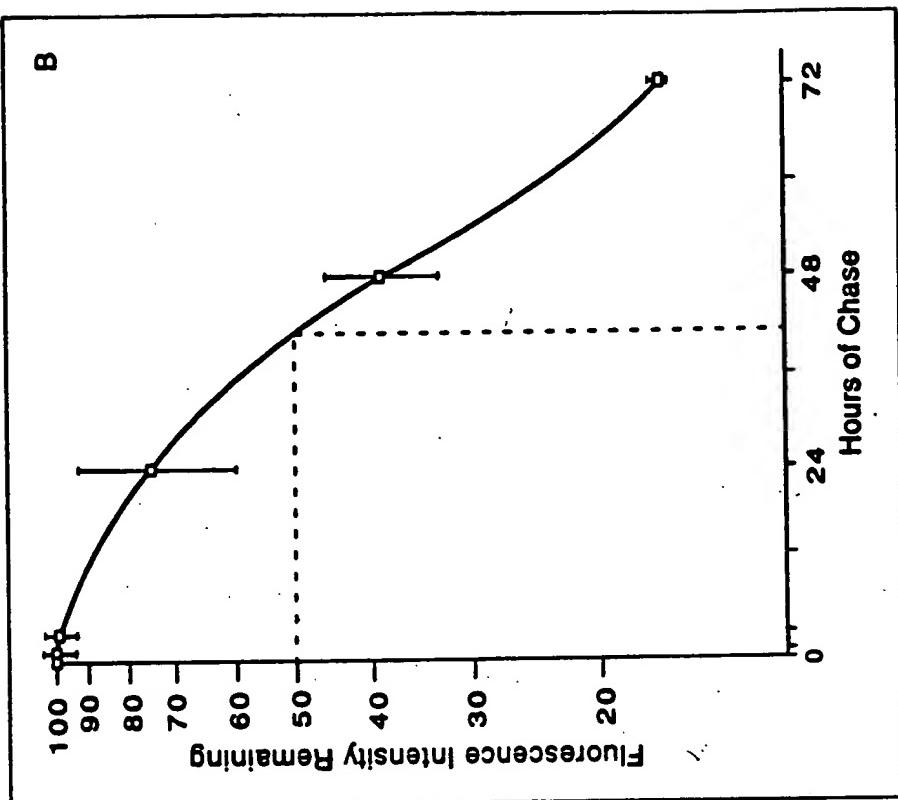
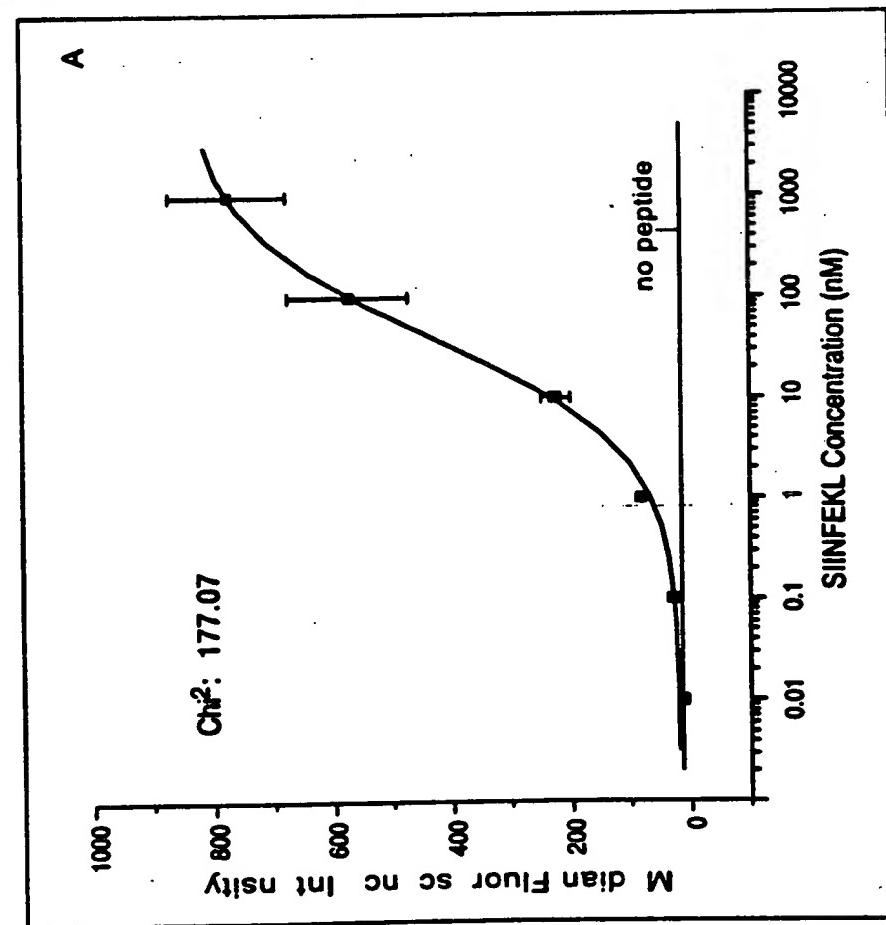
Tumor Specific Immunity Induced by Cutaneous Application of Tumor Peptide in concentrated DMSO followed by DBP



Lymph Node Dendritic Cells Induced by Topical Application of Dibutylphthalate Analogs



Quantitative Detection of Peptide:MHC Complexes on Langerhans Cells *in vitro*

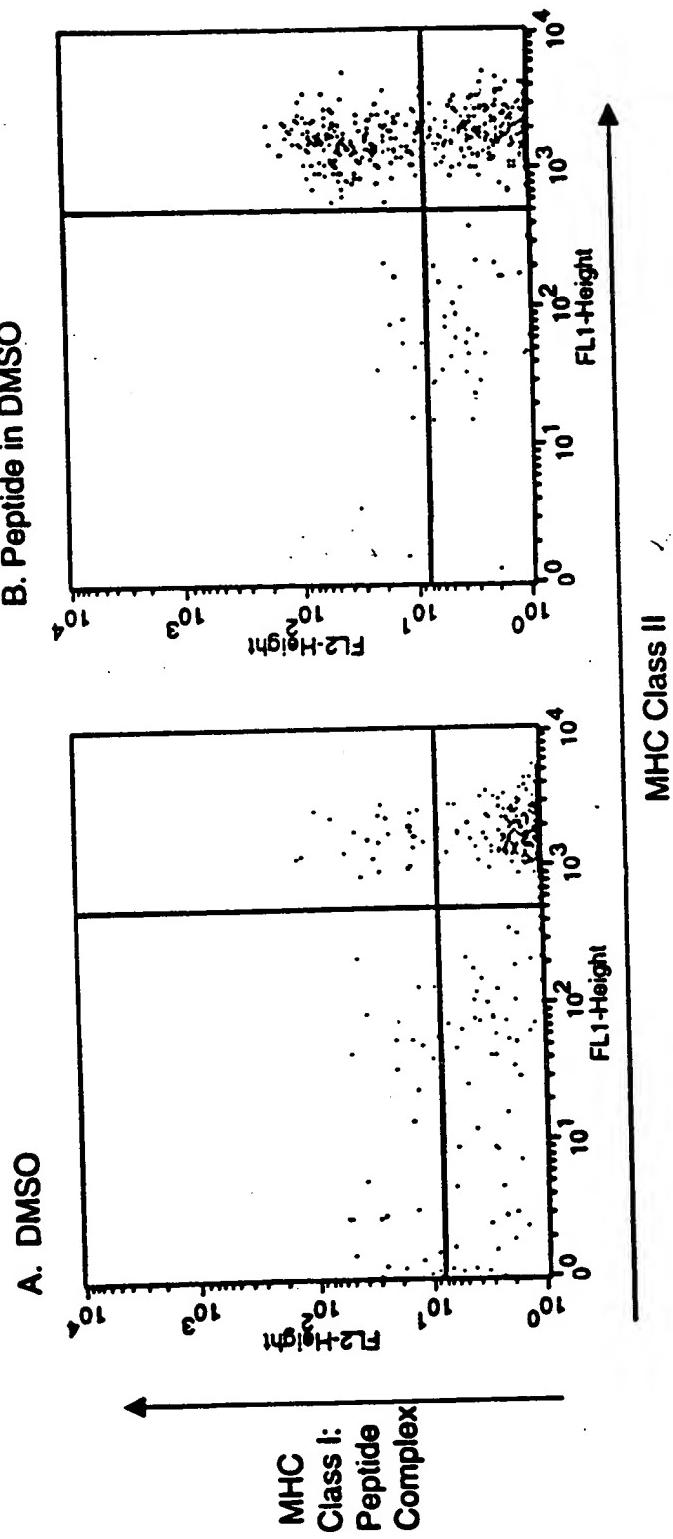


A. Immunofluorescent Detection of SIINFEKL:K^b Complexes on Langerhans Cells *in vitro*

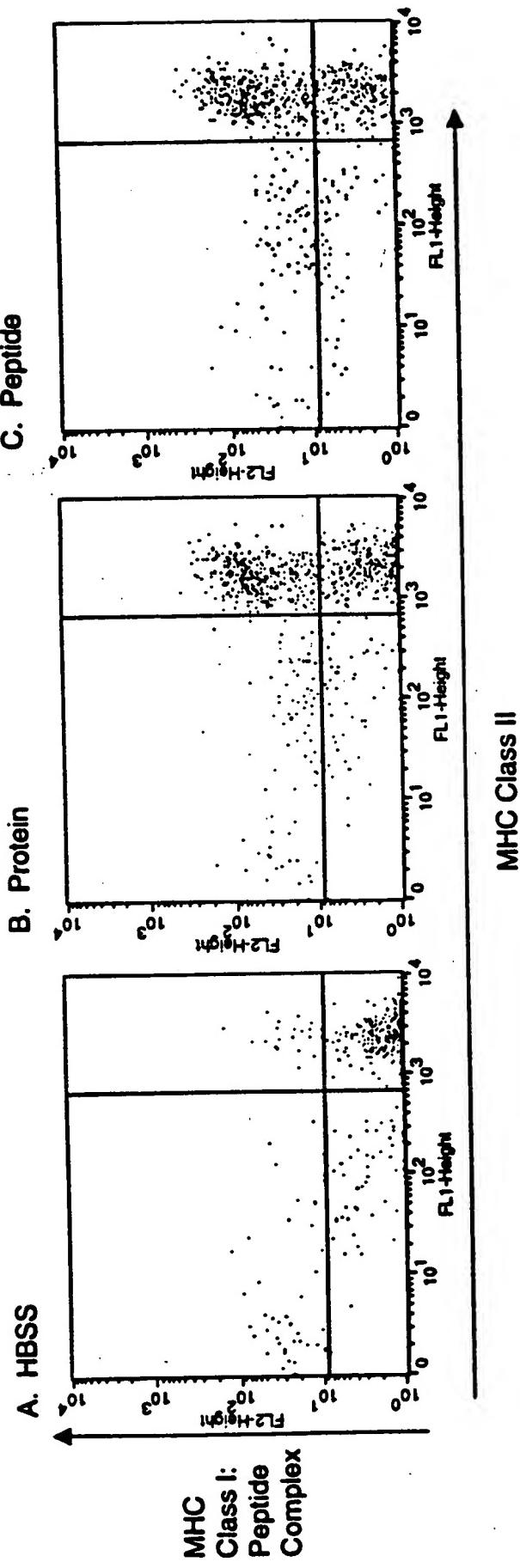
B. Half Life of SIINFEKL:K^b Complexes on Langerhans Cells *in vitro*

Fig 9

Antigen-bearing Dendritic Cells in Lymph Nodes after Ultrasound Application of Soluble Peptide followed by Migration Inducer



**Antigen-bearing Dendritic Cells in Lymph Nodes after
Injection of Soluble Protein or Peptide followed by Migration Inducer**



**Antigen-bearing Dendritic Cells in Lymph Nodes after
Injection of Soluble Peptide with or without subsequent Migration Inducer**

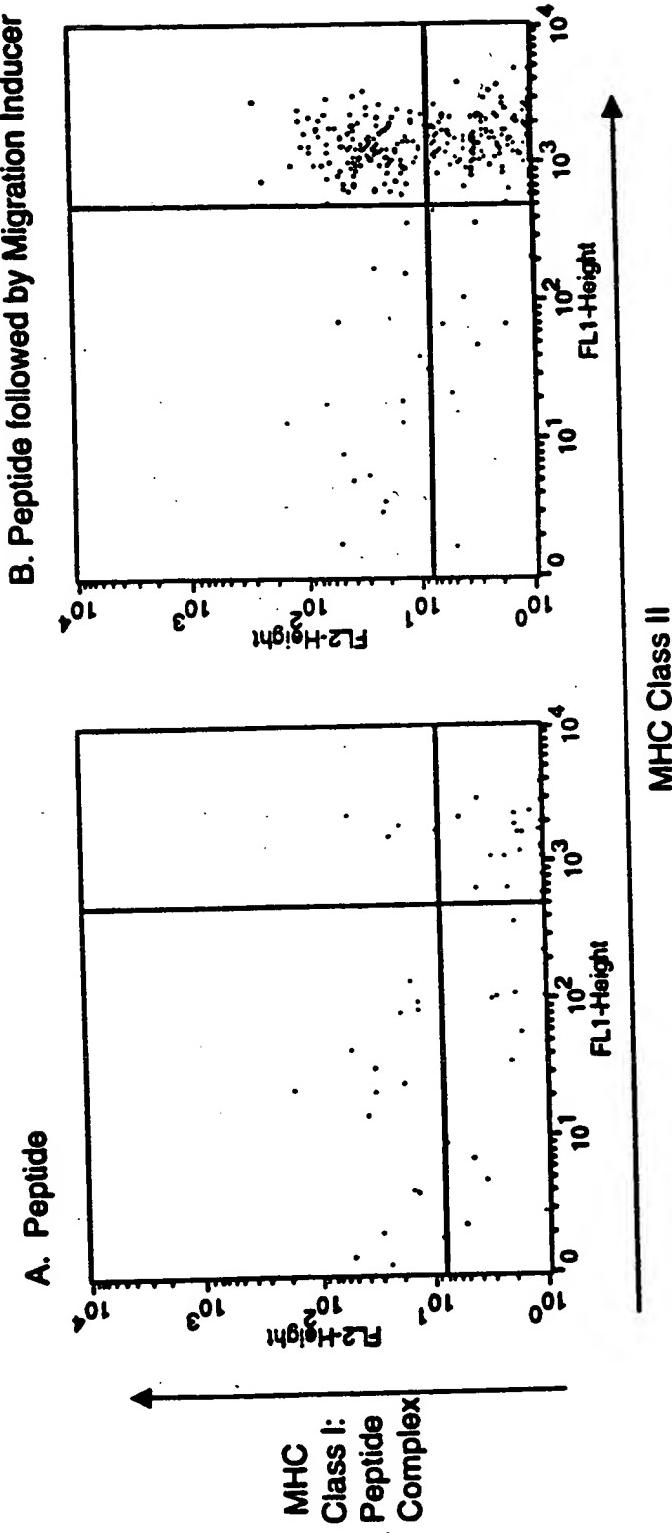


Fig. 12

Tumor-specific Immunity induced by a Single Injection of
a Tumor Protein followed by a Topical Migration Inducer

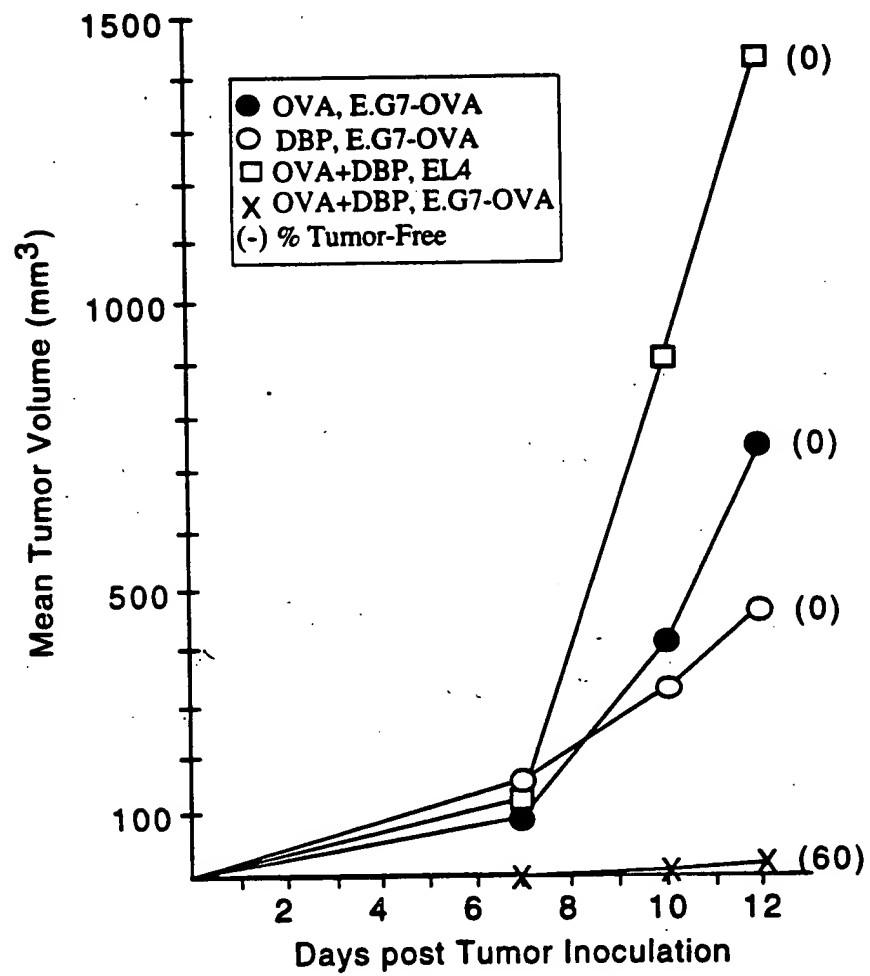


Fig. 13

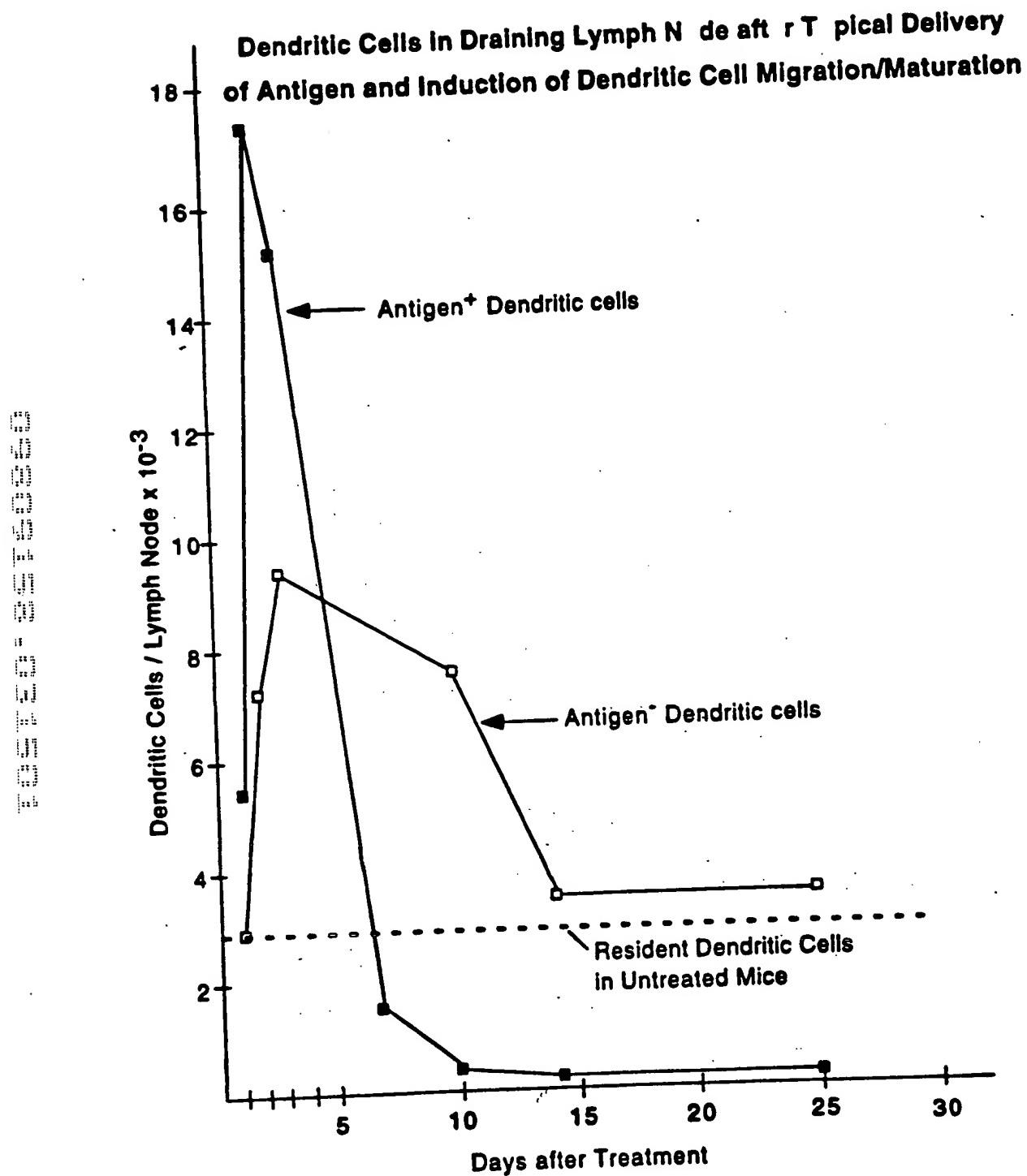
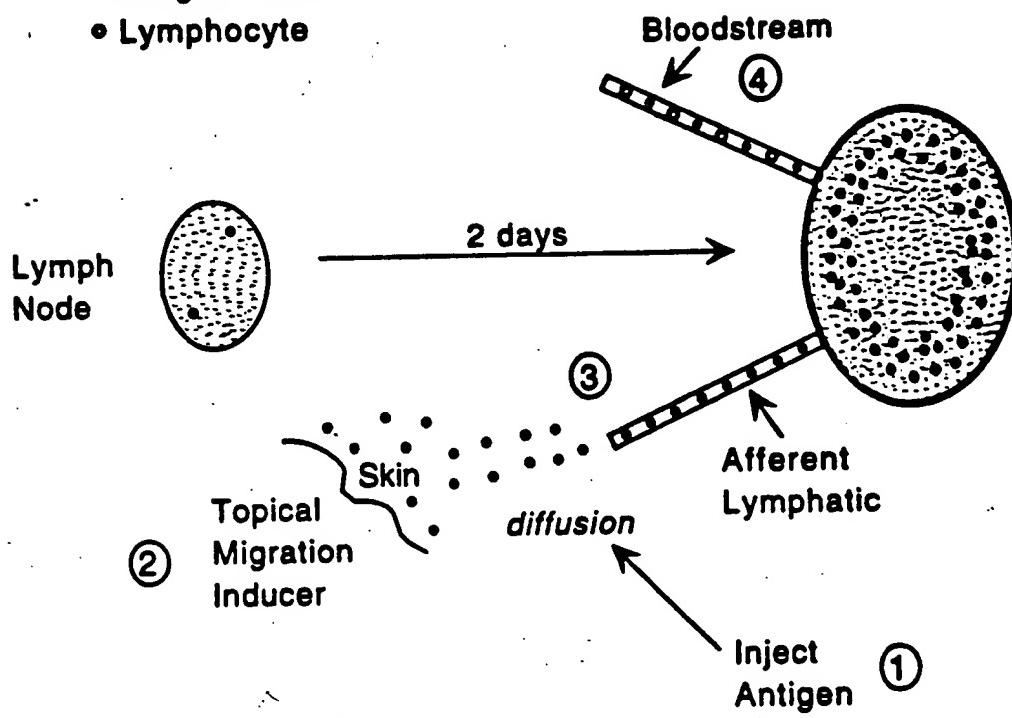


Fig. 14

Adjuvant Effects of Inducing Dendritic Cell Migration/Maturation

- Antigen⁺ Dendritic Cell
- Antigen⁻ Dendritic Cell
- Lymphocyte



Antigen⁺ Dendritic Cells

504 → 22,239

Antigen⁻ Dendritic Cells

2,520 → 33,673

Lymphocytes

6×10^6 → 8.6×10^6